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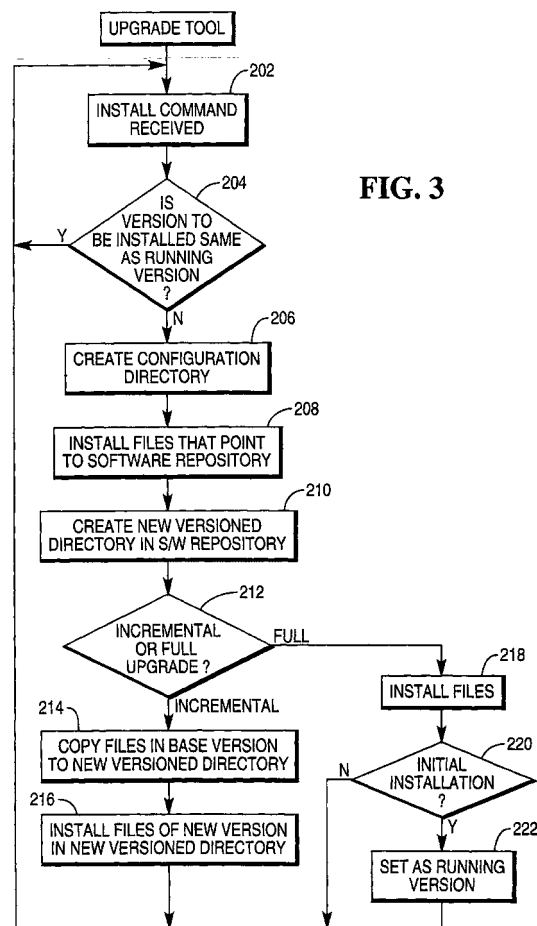
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(30) Priority: **27.04.2000 US 560417**

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(54) **Switching versions of software in a system background**

(57) A multi-node parallel processing system includes modules to perform version switching of software. In one arrangement, the operating system running in each node of the parallel processing is a WINDOWS® operating system. While one software version is running in the system, another version may be installed and stored in a different versioned directory. The installed software version may be marked as the desired version. If a version switch is to be performed, version switch software instances may be launched in each of the nodes. The version switch software instances then determine which of the nodes in the parallel processing system are available to perform the version switch. One of the version switch software instances is marked as the master instance. The master instance accesses the nodes (identified as available to perform the version switch) in the system to determine if a version switch is to be performed. If so, the current running software version is stopped and unloaded and the new version loaded.





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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 3146

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)		
Y	US 5 754 785 A (LYSIK ET AL) 19 May 1998 (1998-05-19) * column 2, line 50 - column 3, line 17 * * column 3, line 64 - column 4, line 14 * * column 4, line 31 - line 49 * -----	1-30	G06F9/445		
Y	SEGAL M E ET AL: "DYNAMIC PROGRAM UPDATING IN A DISTRIBUTED COMPUTER SYSTEM" PROCEEDINGS OF THE CONFERENCE ON SOFTWARE MAINTENANCE. PHOENIX, OCT. 24 - 27, 1988, PROCEEDINGS OF THE CONFERENCE ON SOFTWARE MAINTENANCE. FROM 1994 INTERNATIONAL CONFERENCE ON SOFTWARE MAINTENANCE, WASHINGTON, IEEE COMP. SOC. PRESS, US, 24 October 1988 (1988-10-24), pages 198-203, XP000010768 * page 199, left-hand column, line 4 - right-hand column, line 5 * * page 200, right-hand column, line 31 - page 201, left-hand column, line 4 * * page 201, left-hand column, line 20 - line 33 * * page 201, right-hand column, line 31 - line 43 * -----	1-30	<table border="1"> <thead> <tr> <th>TECHNICAL FIELDS SEARCHED (Int.Cl.7)</th> </tr> </thead> <tbody> <tr> <td>G06F</td> </tr> </tbody> </table>	TECHNICAL FIELDS SEARCHED (Int.Cl.7)	G06F
TECHNICAL FIELDS SEARCHED (Int.Cl.7)					
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A	US 5 602 993 A (STROEMBERG ET AL) 11 February 1997 (1997-02-11) * abstract * * column 3, line 37 - column 4, line 7 * * column 5, line 8 - line 29 * * column 10, line 28 - line 40 * ----- -/--	1-30			
The present search report has been drawn up for all claims					
Place of search The Hague		Date of completion of the search 26 January 2005	Examiner Carciofi, A		
<table border="0"> <tr> <td style="vertical-align: top;"> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> </td> <td style="vertical-align: top;"> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p> </td> </tr> </table>				<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p>	<p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>
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EPO FORM 1503 03 82 (P04C01)



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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 3146

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	<p>PURTILO J M ET AL: "Dynamic reconfiguration of distributed programs" INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING SYSTEMS. ARLINGTON, TEXAS, MAY 20 - 24, 1991, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING SYSTEMS, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. CONF. 11, 20 May 1991 (1991-05-20), pages 560-571, XP010023097 ISBN: 0-8186-2144-3</p> <p>* page 560, right-hand column, line 8 - line 20 *</p> <p>-----</p>	27	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		26 January 2005	Carciofi, A
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EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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